

**ARKANSAS LIVESTOCK & POULTRY COMMISSION**

**VETERINARY DIAGNOSTIC LABORATORY**

*Provisionally accredited by the  
American Association of Veterinary Laboratory Diagnosticians*

**GUIDE BOOKLET AND FEE SCHEDULE  
(Fees effective as of August 4, 2008)**

**Last updated: January 2, 2014**



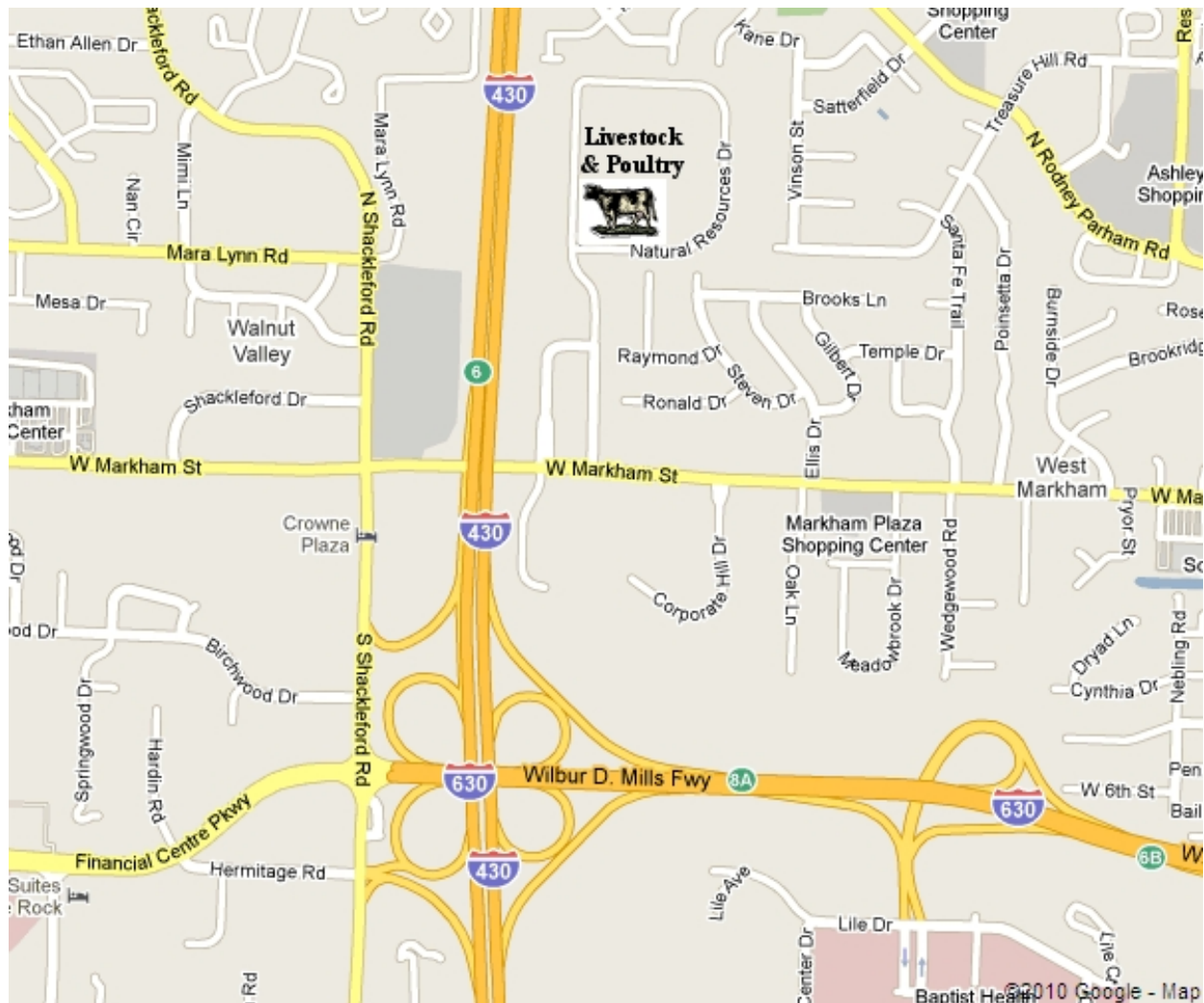
**Mr. Preston Scroggin, Agency Executive Director  
Dr. Linda F. Meola, Interim Laboratory Director**

Veterinary Diagnostic Laboratory  
#1 Natural Resources Drive  
Little Rock, AR 72205

Phone: 501-907-2430  
Fax: 501-907-2410

<http://alpc.ar.gov>

## Map to ALPC Veterinary Diagnostic Laboratory



## **GENERAL INFORMATION for the ALPC Veterinary Diagnostic Laboratory**

**Laboratory Hours** are from 8:00 am to 4:30 pm Monday - Friday.

The lab is closed for the following holidays: New Year's Day, Martin Luther King Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Veterans Day, Thanksgiving Day (and usually the day after), Christmas Eve, and Christmas Day.

*(If a holiday falls on Saturday, the Friday before will be observed. If a holiday falls on a Sunday, the following Monday will be observed.)*

### **After-hours and Weekend Assistance.**

Samples and small carcasses can be left in the refrigerator on the loading dock after hours. A veterinarian is on-call and can be reached by phone at 501-773-2456.

### **Courier Service** for samples and small carcasses

is available in most areas of the state. Call the diagnostic lab for further information.

### **Laboratory Results and Invoices**

can be accessed online via WebSuite by going to our website: [www.alpc.ar.gov](http://www.alpc.ar.gov)  
Contact the lab office to obtain a User Name and Password.

### **Animals for Export** to other states or countries

should have samples submitted at least 10 days prior to export.

### **Rabies suspects.**

Brains and small heads may be submitted directly to the Arkansas Dept. of Health, 4815 W. Markham Street, Little Rock, AR 72205. Contact the Dept. of Health for shipment information (501-661-2840). Large heads (cattle, horses, etc.) can be submitted to the Diagnostic Lab for brain removal. A courier fee will be charged for transport of the brain to the Dept. of Health. If an entire carcass is sent, rather than a head, a carcass disposal fee or necropsy fee will apply.

**Brain tissue submitted for rabies testing must be fresh and intact.** Severely decomposed and/or macerated tissue will give inconclusive results and in many cases cannot be adequately tested.

### **Genetic testing**

(HYPP, parentage verification, individual identification, karyotyping) is performed at the Veterinary Genetics Laboratory at UC-Davis Veterinary School. Contact them directly for sample collection and shipping information at 530-752-2211 or visit their website: [www.vgl.ucdavis.edu/](http://www.vgl.ucdavis.edu/)

### **Additional Phone Numbers:**

State Veterinarian (Dr. George Badley)	501-907-2400
Area Federal Veterinarian-in-Charge (Dr. Becky Brewer)	501-224-9515
State Public Health Veterinarian (Dr. Sue Weinstein)	501-280-4136
Arkansas Veterinary Medical Examining Board (Sherry Glover)	501-224-2836

PATHOLOGY		
Test Name	Test Details	Fee
Livestock Necropsy  <b>Please call before bringing in a large animal.</b>	>900 lb.	125.00
	501-900 lb.	100.00
	100-500	75.00
	<100 lb.	50.00 (20.00 each add'l)
	Spinal cord removal	40.00
	Livestock abortion (fetus & placenta)	50.00
Small Animal Necropsy <i>Pet birds included and small exotic animals</i>	Necropsy	65.00
	Spinal cord removal	25.00
	Neonate (1-3 animals)	50.00 (15.00 each add'l)
Rabies submission	Done at Health Department	Disposal fee plus courier
Poultry Necropsy	Chicks/poults (1-12 birds/submission)	45.00 (2.00 each add'l)
	<15 lb. (1-8 birds/submission)	45.00 (4.00 each add'l)
	>15 lb. (1-4 birds/submission)	45.00 (7.50 each add'l)
	Ratites (adult)	65.00
Euthanasia <i>Call Lab first; exclusions listed below</i>	>100 lb.	80.00
	50-100 lb.	40.00
	<50 lb.	30.00
Carcass Disposal <b>Please call before bringing a large animal.</b>	101-200 lb. (per animal)	25.00
	<100 lb. (per animal)	15.00
Histopathology	H&E slide with diagnosis (1-5 tissues)	35.00 5.00 each additional tissue
	Special stains by request	7.00 /case
	Slide preparation only; returned to submitter for analysis	7.00 /slide
Cytology	Impression smears and fine needle aspirates	32.00 (first site) 5.00 each additional site
Immunohistochemistry (IHC)	T and B cells (formalin fixed tissue)	50.00
Courier	per pickup (of samples)	5.00

**Rabies Testing:** See p. 2 (*General Information, Rabies suspects.*) for animals requiring only rabies testing.

**Euthanasia:** We do not offer euthanasia as a service except for poultry and small mammals excluding cats and dogs.

**Cosmetic necropsy:** We do not offer cosmetic necropsies as a service.

**Pet Remains:** Due to public health and safety concerns, we do not return animal remains to the owner. We do allow cremation service companies to pick up animals for private cremations. Please contact the laboratory at 501-907-2430 for cremation service information.

**Necropsy:** The animal should be submitted in a fresh state and as soon possible after death to increase the chances of reaching a meaningful diagnosis. Keep the carcass refrigerated, **but not frozen**. Freezing causes microscopic artifacts that may interfere with diagnostic evaluation. If the animal shows signs of decomposition or has been frozen, please call the lab for further consultation. Severe decomposition or freeze artifact may hamper or prevent meaningful diagnostic evaluation.

**Histopathology:** For adequate tissue fixation, the required ratio of preservative to tissue is 10:1. The recommended preservative is 10% neutral-buffered formalin, which can be requested at no charge from the laboratory.

**Skin lesions:** When submitting multiple skin or subcutaneous lesions from the same animal, it is preferable to submit the individual lesions in separately labeled containers. ***If multiple lesions are placed in a single container without suitable tagging or labeling, then distinct identification of the individual lesions and their corresponding locations cannot be accurately determined and will not be provided with the report.*** If multiple lesions are placed in a single container and individual lesion identification is desired, then it is imperative that the individual specimens are distinctly labeled and that descriptions of the individual lesions and their corresponding labels are provided with the submission form. Punch biopsies representing a generalized condition can be submitted in a single container without suture tags or labels.

### Cytology

**Impressions smears:** Blot the tissue dry, then gently press against the slide. Submit unstained slides.

**Fine needle aspirates:** Aspirate the lesion using a 3cc syringe and 22 gauge needle. Redirect needle multiple times for good representation. Release the plunger and remove the needle from the lesion. Disconnect needle, fill syringe with air, reconnect needle, and express contents of needle onto the slide. Place a second slide on top of the first slide and pull slides apart slowly. Submit both slides unstained.

BACTERIOLOGY		
Test Name	Test Details	Fee
Aerobic culture	Swab, feces, tissue, urine, or other body fluids Send in aerobic culturette or sterile container	18.00 (1-3 specimens from same animal)
Anaerobic culture	Tissue or body fluid only from anaerobic sites	18.00 /specimen
Gram stain	Performed on isolates	5.00 /isolate
Antibiotic sensitivity	Performed on isolates	10.00 /isolate
MRSA	Methicillin-resistant <i>Staph. aureus</i>	10.00 /isolate
Identification panels	After first 2 isolates	10.00 /panel
<i>Salmonella</i>	Screen only	10.00 /specimen
	<i>Salmonella</i> O-antigen serogrouping	5.00 /isolate
Campylobacter isolation	Feces, intestinal swab	14.00 /specimen
<i>E. coli</i>	HACCP; carcass	25.00 /specimen
<i>Clostridium chauvoei, novyi, septicum, sordellii</i>	Fluorescent antibody (FA) Muscle or heart	10.00 /specimen
<i>Mycoplasma</i> PCR	Swab or tissue	25.00 /specimen
<i>Pasteurella multocida</i>	Serotyping (send out to NVSL)	Call lab for pricing
	PCR (swabs, tissues or bacterial cultures)	20.00/specimen
<i>Leptospira icterohaemorrhagiae, canicola, Pomona, hardjo, Bratislava, grippotyphosa, &amp; autumnalis</i>	Microscopic Agglutination Test (MAT) on serum performed on Tuesdays	15.00 /specimen (1-10) 5.00 /specimen (>10)
	PCR on urine, kidney, or serum	25.00 /specimen

**Urine or other fluids for culture** should never be sent in culturette swab containers because they leak and the sample can become contaminated, compromising the accuracy of the results. Either swab the fluid or send the fluid in a leak-proof container such as a red-top tube. Do not collect samples in purple top tubes.

**Swabs** should be placed in sterile transport media (aerobic and/or anaerobic media).

**Tissues** should be packaged separately from each other in leak-proof, sterile containers and accompanied by an ice-pack.

**Fecal** samples should be submitted in Cary Blair transport medium. This medium can be purchased through scientific supply houses, such as Fisher Scientific or VWR. (NOTE: Use of supply house names - as examples - does not imply endorsement or preference by ALPC.)

**Milk** samples should be submitted in sterile, screw-top containers wrapped with Parafilm to prevent leakage.

MYCOLOGY		
Test Name	Test Details	Charge
Fungal culture Isolation/Identification	All fungi, including dermatophytes	12.00 /case
Aspergillosis Serology	Serum AGID	12.00
Blastomycosis Serology	Serum AGID	12.00
Coccidioides Serology	Serum AGID	12.00
Histoplasmosis Serology	Serum AGID	12.00
Fungal Serology Profile	Serum AGID for Aspergillosis, Blastomycosis, Coccidioides, & Histoplasmosis	45.00

**Fungal serology:** False negative results occur with *Blastomyces* and, less commonly, with *Histoplasma* infections.

**Hair, scabs, or skin scrapings** for mycology should be sent in dry, sterile containers.

## VIROLOGY & SEROLOGY

**\*Marked tests are discounted 40% off the regular fee for samples beyond the first 10 when received together and from the same owner.**

VIROLOGY AND SEROLOGY			
RUMINANTS	Test Details	Sample	Fee
<i>Anaplasma</i>	ELISA; performed on Monday. Price break if >10 samples per submission	Serum	6.00 (1 – 10) 3.00 (11+)
	PCR	<i>preferred:</i> whole blood (EDTA) or spleen	25.00
Bluetongue	*AGID	Serum	*9.00
	PCR	Whole Blood	30.00
Bovine Abortion Panel (federal Brucellosis Chart needed)	IBR, BVD, Lepto, Neospora Brucellosis	Serum (paired best)	35.00
Bovine Coronavirus	PCR	Feces (2 ml or 2 g), lung, nasal swab, intestine, infected tissue	30.00
Bovine Leukemia Virus (BLV)	*AGID	Serum	*8.00
Bovine Respiratory Syncytial Virus	FA (performed on Fridays)	Lung, intestine	15.00

<b>VIROLOGY AND SEROLOGY</b>			
<b>RUMINANTS</b>	<b>Test Details</b>	<b>Sample</b>	<b>Fee</b>
Bovine Rotavirus	PCR	Feces (2 ml or 2 g), intestine	25.00
Bovine Pregnancy (Run on Monday)	ELISA ( <i>as early as 28 days post breeding or ≥ 60 days post calving</i> )	Serum	1-4 \$20.00 5-10 \$ 5.00 11+ \$ 3.00 \$20 Rush
Bovine Viral Diarrhea (BVD)	Virus Isolation	5 mL EDTA blood spleen, lymph node	30.00
	Serum neutralization (SN) for type I	Paired serum	7.00
	SN for type II	Paired serum	7.00
	PCR (detects types I & II)	5 mL EDTA blood, spleen, lymph node, nasal swab, small intestine, lung, suspect tissues	30.00
BVD Persistently Infected <b>Please do NOT send ear notches in formalin</b>	SNAP	Ear notch (fresh tissue only), serum	5.50
Brucellosis	BAPA plate test (Federal chart required)	Serum	2.00
Caprine Arthritis & Encephalitis	*AGID	Serum	*8.00
Caprine Herpesvirus –1	PCR	Lung or liver	25.00
Chlamydia	PCR	swab or tissue	25.00
<i>Ehrlichia/Anaplasma</i> spp.	PCR	<i>preferred</i> : whole blood (EDTA) or spleen	25.00
Epizootic Hemorrhagic Disease	AGID	Serum	8.00
	PCR	Blood, spleen, liver and other tissues	30.00
Foot and Mouth disease	PCR	swab, blood, infected tissue	30.00
Infectious Bovine Rhinotracheitis (IBR)	Virus isolation	Lung, nasal swab	30.00
	PCR	Lung, nasal swab, liver, spleen, kidney, placenta	25.00
	Serum neutralization	Paired serum	7.00
Johne's Disease	ELISA (bovine only, run weekly)	Serum	6.00 5.00 (2+)
	PCR	Feces (2 grams), intestine	25.00
<i>Leptospira icterohaemorrhagiae</i> , <i>canicola</i> , <i>Pomona</i> , <i>hardjo</i> , <i>Bratislava</i> , <i>grippityphosa</i> , & <i>autumnalis</i>	MAT (performed on Tuesdays)	Serum	15.00 (1-10) 5.00 (11+)
	PCR	Urine, kidney, serum	25.00
Malignant catarrhal fever	PCR	Kidney, liver, blood, lymph node, spleen	25.00
<i>Mycoplasma</i> spp.	PCR	Tissue, swab, or fluid of any type	25.00

<b>VIROLOGY AND SEROLOGY</b>			
<b>RUMINANTS</b>	<b>Test Details</b>	<b>Sample</b>	<b>Fee</b>
<i>Neospora caninum</i>	PCR	Brain of aborted fetus, heart, liver, kidney, suspect tissues	25.00
	ELISA (bovine only)	Serum	12.00
Ovine Progressive Pneumonia	*AGID	Serum	*8.00
Parainfluenza (PI3)	FA (performed on Fridays)	Lung	15.00
<i>Tritrichomonas foetus</i>	Culture bag (pouch)	<i>Order before testing</i>	5.00
	Culture and direct examination	preputial or vaginal wash sample shipped in a culture bag *Do NOT refrigerate*	7.00
	PCR (with 2-day culture)	preputial or vaginal wash sample shipped in a culture bag *Do NOT refrigerate*	20.00

<b>VIROLOGY AND SEROLOGY</b>			
<b>PORCINE</b>	<b>Test Details</b>	<b>Sample</b>	<b>Fee</b>
Classical Swine Fever	PCR	Nasal swab, blood, infected tissue	30.00
Foot and Mouth disease	PCR	Nasal swab, blood, infected tissue	30.00
<i>Leptospira icterohaemorrhagiae, canicola, Pomona, hardjo, Bratislava, grippotyphosa, &amp; autumnalis</i>	MAT (performed on Tuesdays)	serum	15.00 (1-10) 5.00 (11+)
	PCR	Urine, kidney, serum	25.00
<i>Mycoplasma spp.</i>	PCR	Swab or tissue	25.00
Porcine Parvovirus	FA (performed on Fridays)	Intestine	15.00
Porcine Circovirus	PCR	Lung, suspected infected tissue	25.00
Porcine Reproductive & Respiratory Syndrome (PRRS)	PCR	Lung	30.00
Pseudorabies	*g1 ELISA (Performed on Mondays) (Requires federal chart)	Serum	3.50 (20.00 STAT)
	Virus isolation	Tissues, Nasal swab	30.00
	Serum neutralization	Serum	7.00
Swine Influenza Virus	PCR	Nasal swab, lung	30.00
	Virus isolation	Nasal swab, lung	30.00
Transmissible Gastroenteritis	PCR	Feces, small intestine	30.00



<b>VIROLOGY AND SEROLOGY</b>			
<b>EQUINE</b>	<b>Test Details</b>	<b>Sample</b>	<b>Fee</b>
<i>Anaplasma/Ehrlichia spp.</i>	PCR	<i>preferred:</i> whole blood (EDTA) or spleen	25.00
Eastern Equine Encephalomyelitis (EEE)	ELISA IgM (Send out to TVMDL)	Serum	25.00
	PCR	Brain, cerebrospinal fluid (CSF), oral swabs, other tissues, mosquitoes	30.00
<i>Ehrlichia/Anaplasma spp.</i>	PCR	<i>preferred:</i> whole blood (EDTA) or spleen	25.00
Equine Herpes Virus (EHV-1)	Virus isolation	lung, liver	30.00
	PCR	nasopharyngeal swab, lung, adrenals, thyroid, citrated blood early in infection	25.00
Influenza Virus	PCR	Nasal swab or tissues	30.00
Equine Infectious Anemia (EIA) <i>Add \$3.00 regulatory fee</i>	AGID or ELISA	Serum	4.00
	Request for rush testing	Serum	20.00 each
Equine Piroplasmosis	ELISA	1 mL Serum (Run on Mondays)	\$30.00/ STAT \$50.00
<i>Leptospira icterohaemorrhagiae, canicola, Pomona, hardjo, Bratislava, grippotyphosa, &amp; autumnalis</i>	MAT (performed on Tuesdays)	Serum	15.00 (1-10) 5.00 (11+)
	PCR	Urine, kidney, serum	25.00
<i>Mycoplasma spp.</i>	PCR	Swab or tissue	25.00
West Nile Virus	ELISA IgM (Send out to TVMDL)	Serum	25.00
	PCR	Brain, oral swabs, cerebrospinal fluid (CSF), suspect tissues, mosquitoes	30.00

<b>VIROLOGY AND SEROLOGY</b>			
<b>CANINE &amp; FELINE</b>	<b>Test Details</b>	<b>Sample</b>	<b>Fee</b>
<i>Anaplasma/Ehrlichia spp.</i>	PCR	<i>preferred:</i> whole blood (EDTA) or spleen	25.00
<i>Brucella canis</i>	Card agglutination test	Serum	\$16.00 screen; \$39.50 send out to Cornell to confirm positives by AGID
Canine Adenovirus CAV-1 and CAV-2	PCR	Nasal/Eye/Oral swab, liver, kidney, spleen, lung	25.00
	Virus isolation	Eye/oral swab, infected tissue	30.00

<b>VIROLOGY AND SEROLOGY</b>			
<b>CANINE &amp; FELINE</b>	<b>Test Details</b>	<b>Sample</b>	<b>Fee</b>
Canine Coronavirus	FA (performed on Fridays)	Intestine	15.00
Canine Distemper Virus (CDV)	IFA IgM and IgG titers on serum only performed on Tues. & Friday	Serum, CSF	25.00
	FA (performed on Fridays)	tissue	15.00
	PCR	Lung, brain, (other tissues may reveal positive results)	30.00
Canine Herpesvirus 1	PCR	Adrenals, lung, liver, kidney, lymph nodes	25.00
	Virus isolation	Lung, liver, brain, kidney	30.00
Influenza Virus	PCR	Nasal swab or tissues	30.00
Canine Parvovirus	ELISA	Feces	20.00
	IFA IgM and IgG titers performed on Tues. & Friday	Serum	25.00
	PCR	Feces, intestine	25.00
	FA (performed on Fridays)	Intestine, tongue	15.00
Chlamydia spp.	PCR	Swab or tissue	25.00
<i>Ehrlichia/Anaplasma spp.</i>	PCR	<i>preferred:</i> whole blood (EDTA) or spleen	25.00
Feline Calicivirus	PCR	Nasal/ocular/oral swab lung	30.00
	Virus isolation	Nasal/ocular/oral swab, or infected tissue	30.00
Feline Herpesvirus	PCR	Nasal/ocular/oral swab, Lung, other tissues	25.00
	Virus isolation	Swab or infected tissues	30.00
FelV & FIV	ELISA	Serum, whole blood	20.00
Feline Infectious Peritonitis (FIP)	ELISA	Serum	25.00
	PCR	Thoracic or peritoneal fluid	30.00
Feline Panleukopenia Virus	FA (performed on Fridays)	Intestine, lymph node, brain, bone marrow	15.00
<i>Leptospira icterohaemorrhagiae, canicola, Pomona, hardjo, Bratislava, grippotyphosa, &amp; autumnalis</i>	MAT (performed on Tuesdays)	Serum	15.00 (1-10) 5.00 (11+)
	PCR	Urine, kidney, serum	25.00
<i>Mycoplasma spp.</i>	PCR	Swab or tissue	25.00
<i>Tritrichomonas foetus</i>	Culture bag (pouch)	(not applicable)	5.00
	PCR	feces shipped in culture bag *Do NOT refrigerate*	20.00

<b>AVIAN DIAGNOSTICS</b>			
<b>Test Name</b>	<b>Test Details</b>	<b>Sample</b>	<b>Fee</b>
Avian Encephalomyelitis	ELISA	Serum	1.22
Avian Influenza	AGID	Serum	2.25
	ELISA	Serum	1.00
	PCR	Tracheal or oropharyngeal swabs, lung, spleen, intestine	30.00
Avian Leukosis Virus	ELISA	Serum	1.00
Avian Polyomavirus	PCR	Liver, heart, spleen	25.00
Chick Anemia Virus	ELISA	Serum	1.22
Chlamydia spp.	PCR	Swab or tissue	25.00
Duck Viral Enteritis	PCR	Oral or Cloacal swab, liver, spleen, other tissues	25.00
Histomonas (Blackhead)	PCR	Ceca, liver, tissues with lesions	25.00
Infectious Bronchitis	Viral Isolation	Trachea	50.00
	ELISA	Serum	1.22
	PCR	Trachea, tracheal swab	30.00
	HI	Serum	1.75
Infectious Bursal Disease	ELISA	Serum	1.22
	PCR	spleen, bursal tissue, lymphoid organs	30.00
Infectious Laryngotracheitis	Viral Isolation	Trachea	50.00
	PCR	Trachea, tracheal swab	25.00
Marek's Disease	PCR	Blood, spleen, plasma	25.00
MG/MS Combo	ELISA	Serum	1.00
<i>Mycoplasma gallisepticum</i>	ELISA	Serum	1.22
	Plate test	Serum	0.26
	HI	Serum	0.65
	PCR	Trachea, lung, airsac	25.00
<i>Mycoplasma synoviae</i>	ELISA	Serum	1.22
	Plate test	Serum	0.65
	HI	Serum	0.65
	PCR	Trachea, lung, airsac, swab, synovial fluid, isolate	25.00
Newcastle Disease	ELISA	Serum	1.22
	Viral Isolation	Trachea, all parts of carcass during acute stage	50.00
	PCR	Cloacal swab, tracheal swab	30.00
Pacheco's	PCR	tracheal swab, spleen, intestine	25.00
Reovirus	Viral Isolation	Tendons	50.00
	ELISA	Serum	1.22
<i>Salmonella pullorum</i>	Tube test	Serum	0.10
	Plate test	Serum	0.25
	Microagglutination	Serum	0.10
<i>Salmonella typhimurium</i>	Tube test	Serum	0.08
West Nile Virus	PCR	Spleen, kidney, brain	30.00

<b>HEMATOLOGY</b>			
<b>Test Name</b>	<b>Test Details</b>	<b>Sample</b>	<b>Fee</b>
Complete Blood Count	WBC, RBC, Hgb, HCT, indices, platelets, manual differential with morphology. Small animal CBC includes Blood Parasites. Large animal CBC includes fibrinogen.	Whole blood	13.50
	<b>Hematology review by pathologist - Slide or LTT</b>		10.00
Avian or reptile CBC	WBC, manual differential, RBC morphology, Hgb, PCV, Total protein, and thrombocyte estimate	(Lavender top tube with EDTA)	20.00
Reticulocyte Count			10.00
D-Dimer	For transportation or storage >2 hours, separate plasma, put in plain (NO gel) red top tube, and keep frozen	Light blue top tube	20.00
PT			16.00
APTT			16.00
PT and APTT		(Sodium citrate tube)	30.00
Coagulation Panel	D-Dimer, PT, APTT, & platelet count.		40.00

<b>CLINICAL CHEMISTRY</b>			
<b>Test Name</b>	<b>Test Details</b>	<b>Sample</b>	<b>Fee</b>
Complete Profile small animal (SA)	Na, K, Cl, CO <sub>2</sub> , Anion Gap, Glucose, BUN, Creatinine, B/C ratio, Ca, Phos., Cholesterol, Amylase, TP, Albumin, Globulin, A/G ratio, Total Bilirubin, ALT, AST, GGT, ALP, CPK, Osmolality	Serum  Be sure to either spin serum separator tubes (SST) or to remove serum from the clot prior to sending	25.50
Chem-13 (SA)	Na, K, Cl, CO <sub>2</sub> , Anion Gap, Glucose, BUN, Creatinine, B/C ratio, TP, Albumin, Globulin, A/G ratio, Total Bilirubin, ALT, GGT, Osmolality		16.00
Avian or Reptile Profile	Na, K, Cl, Uric acid, Glucose, BUN, Creatinine, Ca, Phos., Cholesterol, Amylase, TP, Albumin, Globulin, A/G ratio, Total Bilirubin, ALT, AST, GGT, ALP, CPK, Osmolality		25.50
Complete Profile large animal (LA)	Na, K, Cl, CO <sub>2</sub> , Anion Gap, Glucose, BUN, Creatinine, B/C ratio, Ca, Phos., Mg, TP, Albumin, Globulin, A/G ratio, Total Bilirubin, ALT, AST, GGT, ALP, CPK, Osmolality		25.50
Chem-13 (LA)	CO <sub>2</sub> , Glucose, BUN, Creatinine, B/C ratio, Ca, Mg, TP, Albumin, Globulin, A/G ratio, Total Bilirubin, AST, GGT, CPK		15.50
Electrolyte Profile	Na, K, Cl, CO <sub>2</sub> , Anion Gap		10.50
Mineral Profile	Ca, Mg, P		11.00
Liver Profile	Bilirubin (total, direct, indirect), AST, ALT, ALP, GGT		13.00
Bile Acids	Canine: 12-hr fasting & 2-hr postprandial Equine: single, non-fasting sample recommended		12.50/test
Renal Profile	BUN, Creatinine, B/C ratio, Phosphorus		13.00
Pancreatic Profile	Amylase, Lipase		15.00
Fructosamine			10.00
Individual Tests	Any chemistry test may be ordered individually		6.00 <i>Lipase 12.00</i>
Urine Protein/Creatinine Ratio		1.0 mL	12.00

<b>FLUID EVALUATION</b>			
<b>Test Name</b>	<b>Test Details</b>	<b>Sample</b>	<b>Fee</b>
Urinalysis	Includes Dipstick, Specific Gravity, and Sediment Analysis Volume needed to semi-quantitate sediment	12.0 mL	10.00
	Cytology review by pathologist	slide	10.00
Urine Cortisol/Creatinine Ratio	Send out to Texas Veterinary Medical Diagnostic Laboratory (TVMDL)	Urine	Call lab for pricing.
Canine Bladder tumor test <i>Trans. Cell Carcinoma</i>	Test should be performed within 48 hr of collection. False positive possible if ↑ protein, glucose, RBC, or WBC	1.0 mL urine	21.50
Stone Analysis	Submit in a clean, dry container ( <b>NO formalin</b> ); testing performed on Fridays.	Stone/ Urolith	15.00
Fluid Analysis with Cytology	TP, Specific gravity Un-clotted sample in EDTA needed for RBC & WBC <b>Please send sample in a red-top tube AND a purple-top, EDTA tube.</b>	Thoracic, Peritoneal or Joint fluid (not a "cyst")	32.00
CSF Analysis and Cytology	Sample must be tested within 1 hour, unless preserved Must notify lab prior to submission. TP, specific gravity Uncollected sample in EDTA needed for RBC & WBC <b>Please send sample in a red-top tube AND a purple-top, EDTA tube.</b>	CSF	32.00

ENDOCRINOLOGY			
Test Name	Test Details	Sample	Fee
Total T4	Lipemia may increase concentrations.  (Discounted pricing applies to tests ordered at the same time.)  Testing done by chemiluminescence.	Separated serum or Spun Serum Separator Tube	13.00 for one; 6.50 each add'l
Free T4			19.50 (Thyroid profile - 2 test combo)
TSH (canine only)			
T4-TSH Combo (canine only)			
T4-Free T4 Combo			
Free T4-TSH Combo (canine only)			
T4-Free T4-TSH Combo (canine only)			26.00 (Thyroid profile - 3 test combo)
Cortisol (Resting, baseline)	Lipemia may decrease cortisol concentrations.		16.00 for one; 6.00 each add'l
ACTH Stim. (Pre & Post cortisol)			
Low/high Dose Dex (Pre & Post cortisol)			
Progesterone	Canine or equine		16.00
Relaxin canine pregnancy	Dog must be at least 27 days post-breeding. Use green top tube; EDTA can give false results.	0.5 ml blood heparinized	22.00
Estrone Sulfate horse pregnancy	Best pregnancy test if horse is >60 days pregnant. Testing performed at TVMDL.	Serum	Call for pricing.
PMSG (eCG) horse pregnancy	Horse must be 38-120 days pregnant. With this test, mare may test positive even if foal is aborted.	Serum	15.00

ENDOCRINOLOGY			
Bovine Pregnancy	See Serology tests.	Serum	See Serology tests
TLI, PLI, Cobalamin, Folate	Performed at TAMU GI lab	12-hour fasting serum	Call for pricing

IMMUNOLOGY			
Test Name	Test Details	Sample	Fee
Direct Coombs	Canine, feline	EDTA	16.00
CITE test	Failure of passive transfer in foals	Serum	18.00

PARASITOLOGY			
Test Name	Test Details	Sample	Fee
Hemoparasites	Direct blood examination for <i>Ehrlichia</i> , <i>Babesia</i> , <i>Hemobartonella</i> , <i>Cytauxzoon</i> , <i>Anaplasma</i> , etc. (as appropriate for the species of animal)	EDTA & unstained slide(s)	7.50
Tick Profile	Direct blood exam; <i>E. canis</i> & RMSF screen. Test performed on Tuesday & Friday.	EDTA & serum	36.00
<i>Ehrlichia</i> / <i>Anaplasma</i> spp.	PCR	<i>preferred</i> : whole blood (EDTA) or spleen	25.00
<i>Ehrlichia canis</i> IFA screen	Testing performed on Tuesday & Friday. IFA screen will be done, unless titer is specified.	Serum	15.00 screen 28.00 titer
Rocky Mountain Spotted Fever IFA screen	Testing performed on Tuesday & Friday. IFA screen will be done, unless titer is specified.	Serum	15.00 screen 28.00 titer
<i>Babesia canis</i> IFA screen	Testing performed on Tuesday & Friday. IFA screen will be done, unless titer is specified.	Serum	15.00 screen 28.00 titer
Lyme, <i>Ehrlichia canis</i> , <i>E. ewingii</i> , <i>A. phagocytophilum</i> , <i>A. platys</i> & Heartworm	For dogs regardless of Lyme vaccination status All tests, except heartworm, are for antibodies. Heartworm test is for antigen.  All tests are by IDEXX 40x SNAP Plus.	Serum or EDTA	23.00
<i>Anaplasma</i>	ELISA test; performed on Monday. Price break if >10 samples per submission.	Serum	6.00 (1-10) 3.00 (11+)
	PCR	<i>preferred</i> : whole blood (EDTA) or spleen	25.00
Heartworm Antigen	Dirochek® for dogs Detects mature female worms	Serum or whole blood	9.00
Heartworm Antibody	Heska® for cats	Serum or whole blood	11.00
Microfilaria Identification	Modified Knott's and direct smear	EDTA	12.00
Fecal Flotation		Feces (4 g)	12.00
Direct Fecal Smear		Feces (1 g)	7.00
Fecal Egg Count (Equine, Ovine, Caprine)		Feces (4 g)	16.00

PARASITOLOGY			
Giardia antigen test		Feces (1 g)	15.00
Baermann	Test for lungworms	Feces (20 g minimum)	18.00
<i>Trichostrongylus axei</i>	Culture bag (pouch)	(not applicable)	5.00
	PCR; the preputial or vaginal wash sample shipped in a culture bag (Bovine) *Do NOT refrigerate* PCR; feces shipped in culture bag (Feline) *Do NOT refrigerate*	Wash (bovine) Feces (feline)	20.00

DRUGS			
<i>Remove serum from clot. Don't use serum separator tubes because gel can absorb drugs.</i>			
Test	Test Details	Sample	Fee
Phenobarbital		Separated serum	20.00
Bromide (KBr)		Separated serum	25.00
Phenylbutazone (Bute)		Separated serum	25.00
Other drugs	Individual drugs or screens are available by request	Urine	Contact lab

TOXICOLOGY				
Test	Comments	Matrix	Min Sample	Price
Aflatoxin	Quantification	Feed	100 g (4 oz)	30.00
Ammonia	Freeze sample as soon as possible in air-tight container	Non-hemolyzed serum Rumen contents	5 mL	10.00
Anion Screen	Nitrate, nitrite, sulfate, fluoride	Serum Forage Water	2 mL 10 g (1/2 oz) 20 mL	25.00
Anticoagulant rodenticides	False negatives common with blood. PT & PTT are better tests in live animals.	Liver, bait, Large intestine content	5 g (1/4 oz)	60.00
Avitrol	Bird pesticide	Crop/gizzard cont., bait	5 g (1/4 oz)	45.00
Bromethalin	Neurotoxic rodenticide	Liver, bait, GI contents	10 g (1/2 oz)	30.00
Cantharidin	Toxin from blister beetles	Urine, serum GI contents, feed	10 mL 100 g (4 oz)	60.00
Chlorinated pesticides	Chlorinated hydrocarbon insecticides	Fat	50 g (2 oz)	50.00
Cholinesterase	For anti-cholinesterase insecticides (OP and Carbamates)	Blood (EDTA) Half of cerebrum	1 mL 5 g (1/4 oz)	15.00
Cyanide	Freeze sample as soon as possible in air-tight container	Plants GI contents	25 g (1 oz)	10.00
Ethylene glycol by GC/MS	For dogs treated with drugs that contain glycols and for cats	Serum, urine kidney Stomach contents, bait	1 mL 10 g (1/2 oz) 25 g (1 oz)	50.00

TOXICOLOGY				
Fumonisin	Quantification	Feed	100 g (4 oz)	30.00
Insecticides	Organophosphate, Carbamate, or Organochlorine screen	Liver, stomach contents, bait	10 g (1/2 oz)	40.00 <i>per screen</i>
Metaldehyde	Snail or slug bait	Bait, stomach contents	5 g (1/4 oz)	30.00
Nitrate & nitrite		Serum, ocular fluid Hay, forage	2 mL 10 g (1/2 oz)	10.00 20.00
Paraquat & diquat	Herbicides	Urine GI contents, feed	1 mL 5 g (1/4 oz)	15.00
pH		GI contents, fluids, etc.	5 mL	5.00
Strychnine		Urine GI contents, bait liver	10 mL 5 g (1/4 oz) 50 g (2 oz)	30.00
Urea		Feed	5 g (1/4 oz)	25.00
Zinc phosphide	Neurotoxic rodenticide	Stomach contents, bait	10 g (1/2 oz)	25.00
Toxicant screen	Contact lab for consultation	Stomach contents, bait, tissue, urine		50.00

Minerals & Metals: <i>Testing for both toxic and deficient levels.</i>				
<b>Test</b>	<b>Comments</b>	<b>Matrix</b>	<b>Min. Sample</b>	<b>Price</b>
Arsenic		Blood Urine	1 mL 5 mL	20.00
Lead		Blood (EDTA)	1 mL	20.00
Metal Panel	As, Cu, Fe, Mo, Pb, Zn	Liver (best sample) kidney	5 g (1/4 oz)	20.00 (for one) 10.00 (for each add'l)
Selenium		Blood (EDTA) Liver	1 mL 5 g (1/4 oz)	20.00 (for one) 10.00 (for each add'l)
Sodium		Ocular fluid, CSF	1 mL	20.00
Trace Element Panel	Cu, Fe, Zn, Ca, Mg	Serum <i>Royal Blue top tube for zinc</i>	2 mL	20.00 (for one) 10.00 (for each add'l)

***Samples for Toxicology can be stored refrigerated or frozen, but not in formalin. Refrigerate blood (EDTA).***